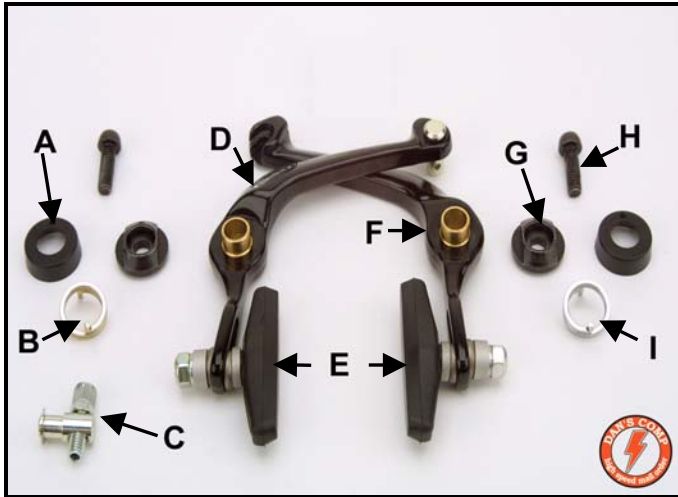


## Dia-Tech Hombre / Fiesta Front U-Brake Install



### Included Parts

- A. Dust Covers (Qty 2)
- B. Gold Spring
- C. Adjusting Barrel
- D. Left Brake Arm
- E. Brake Pads (Qty 2)
- F. Right Brake Arm (Qty 2)
- G. Spring Adjusters (Qty 2)
- H. Fixing Bolts (Qty 2)
- I. Silver Spring

*Dia-Tech Hombre U-Brake (Pictured). Part # 480003*

*Dia-Tech Fiesta U-Brake. Part # 480004*

### Tools Needed

1. Cable Cutters\*
2. Small Straight Screwdriver
3. Tube of Grease
4. 3 Way Socket Wrench (8,9,10mm)\*
5. 3 Way Allen Wrench (4,5,6mm)\*
6. 13mm Open-end Wrench\*
7. File or Sandpaper



*\* Tools used from the Professional tool kit. Part # 811110*

*Park PCS-1 Home Work Stand Part # 811356*

*Phil Wood grease 3oz. Tube. Part # 811195*



### Preparing the Brake Bosses

- Inspect your brake bosses.
- Use a file or fine sandpaper to lightly sand the bosses. This should remove all unnecessary dirt, grit or paint that would prevent your brake arms from making proper contact.
- Use a small amount of grease to lubricate the outer surface of the bosses.

**These instructions are to be used as a guide only. Improperly installed parts may lead to severe injury or harm. We strongly recommend that a properly trained bike mechanic handle all installations, adjustments and repairs on your bike. As always...Ride Safe!**

## Dia-Tech Hombre / Fiesta Front U-Brake Install

### Step Two



### Installing the Brake Arms

- Remove the retaining clip holding the stud on the left brake arm with a small straight screwdriver (*See picture*). Remove the stud and replace with the adjusting barrel stud and re-install the retaining clip
- Slide the brake arms onto the brake bosses and remove any excess grease.
- Seat the springs in place by lining up the holes that are drilled in the arm (*See note*). Slip the dust covers over the springs.
- Place the spring adjusters on top of the dust covers and thread the fixing bolts into the brake boss and tighten. Do not tighten completely.

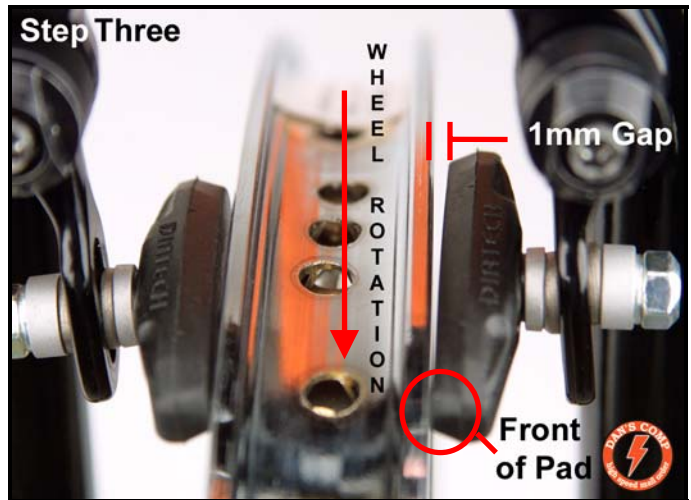
**Note:** Facing the brake, looking towards the front of the bike, the silver spring goes on the right brake arm and the gold spring goes on the left brake arm

### Adjusting the Brake Pads

- Loosen the nuts with a 10mm socket wrench.
- Align the brake pads with the rim.
- Adjust the front of the brake pads so they make contact with your rim first, there should be a 1mm gap on the other end (*See picture*). This will lessen the chance of rim squeal and improve your braking. Tighten the nuts securely.
- You can rearrange the spherical washer for more space between the rim and brake pad.

**Tip 1:** File or sand the flat braking surface of the pads. This will remove the hard, slick surface and will help improve braking.

**Tip 2:** Spin your wheel to make sure the brake pads is NOT making contact with your tire.



### Step Four



### Adjusting the Spring Tension

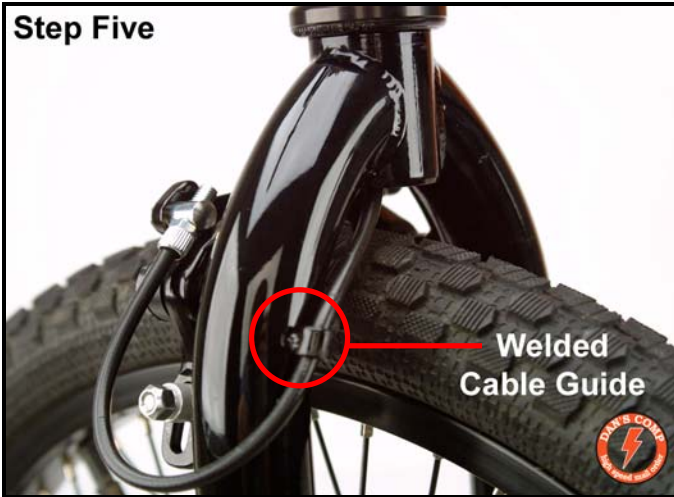
- Place a 13mm open-end wrench on the spring adjuster (*See picture*).
- Turn the left spring adjuster ¼ turn clockwise and tighten the allen bolt with a 5mm allen wrench.
- Turn the right spring adjuster ¼ turn counter clockwise and tighten the allen bolt with a 5mm allen wrench.
- Both brake arms should have equal amount of spring tension.

**Note:** The springs are wrapped in different directions. Facing the brake, the right spring (silver) is tightened by turning the wrench counter clockwise and turning the wrench clockwise tightens the left spring (gold).

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## Dia-Tech Hombre / Fiesta Front U-Brake Install

### Step Five



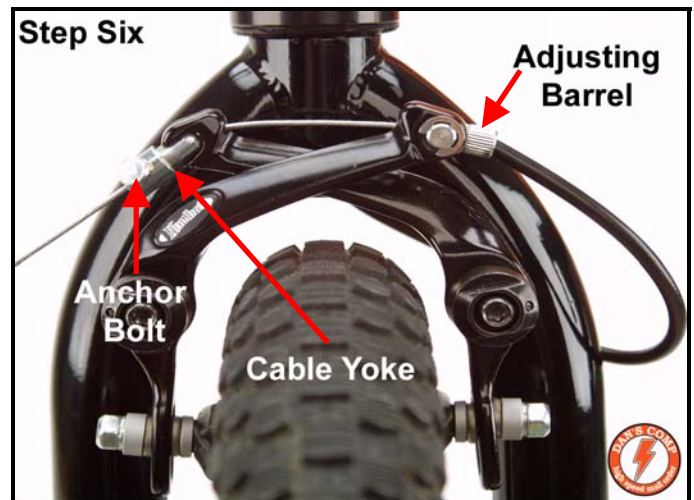
### Measuring the Cable Housing

- Slide the cable housing through the hollow stem bolt.
- Pull the cable housing through the bottom of the fork.
- Insert one end of the cable housing into the adjusting barrel on the brake lever.
- Loop the other end of the cable housing around the fork leg and cut to the desired length using a pair of wire cutters.
- Run the cable housing through the welded cable guide. If your fork does not have a welded cable guide, use a plastic cable tie to secure the cable housing to the fork leg.

### Installing the Brake Cable

- Lubricate the inner brake cable and slide it into the cable housing.
- Insert the barrel end of the inner brake cable into the brake lever.
- Insert the brake cable through the adjusting barrel in the stud on the left brake arm (*See picture*).
- Insert the end of the brake cable into the tapered end of the cable yoke and lightly tighten the anchor bolt with your fingers.
- Place the cable yoke in the recessed area in the right brake arm (*See picture*). The cable runs through the slot.
- Squeeze the brake pads against the wheel and pull the brake cable completely through the yoke and tighten the anchor bolt securely with an 8mm socket wrench.

### Step Six



### Step Seven



### Finally...

- Squeeze and release the brake lever a few times to stretch the brake cable, adjust the cable tension by turning the adjusting barrel on the left brake arm or the brake lever if necessary.
- Make sure both brake pads hit the rim and release at the same time, re-adjust the spring tensioners if necessary.
- Cut the excess from the brake cable leaving approximately 1" – 1 1/2" for you to install and crimp a cable end cap.
- Lightly crimp a cable end cap (*not included*) using a pair of wire cutters. This will keep the cable from fraying. You can substitute an old spoke nipple if you do not have cable end caps.

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